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LOW PERMITTIVITY LAMINATE WITH MIXED FIBER WOVEN CLOTH AS BASE

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Abstract

PURPOSE: To increase induction characteristics, soldering heat resistance, copper foil peeling strength, strength and the like by forming a base with a mixed yarn woven cloth comprising given fluorinated resin long fiber yarns and given material yarns of a given permittivity.
CONSTITUTION: A laminate is constituted of one or a plurality of layers consisting of a base and cured thermosetting resin, or a metal foil layer is provided on one or both surfaces of said layer. The base is formed with a mixed yarn woven cloth constituted of mixture of multi or mono-filament fluorinated resin long fiber yarns, multi-filament glass yarns of 5.5 or less of induction rate or heat-resistance engineering plastic fiber yarns. Thus, said laminate is of superior induction characteristics and also of soldering heat resistance, copper foil peeling strength, strength and the like which are required for using a print wiring plate, and is most suitable for a print wiring plate for high frequency circuit, a multi-layer print wiring plate and the like.

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